

CLAIMS

- 5 1. Controllable solenoid valve in which, due to the interaction between a magnetic force caused by an electrical flow and a spring force acting against the magnetic force at least one first sealing body in the interior of a valve housing is displaced relative to a first sealing seat in axial direction between two final positions, whereby the interior extends from an electromagnet to a connection, wherein the first sealing seat is provided with an axially extending cylindrical housing up to the first sealing body, whereby inside said housing the slide is axially displaced depending on the electrical flow, wherein the cylindrical housing comprises radially oriented passages which are closed if the first sealing body is located in a final position in its first sealing seat or in the immediate vicinity of the first sealing seat and they are open if the first sealing body is located in the opposite final position.
- 10 2. Solenoid valve according to claim 1, wherein the size of the opening of the passages is freely selectable and adjustable.
- 15 3. Solenoid valve according to claim 1, wherein the magnetic force has its minimum value if the passages are open and it has its maximum value if they are closed.
- 20 4. Solenoid valve according to claim 1, wherein the magnetic force has its maximum value if the passages are open and it has its minimum value if they are closed.
- 25 5. Solenoid valve according to claim 1, wherein the first sealing body is located at one end of a slide which is movable inside said cylindrical housing and which is connected at its other end to an armature of said electromagnet.
- 30 6. Solenoid valve according to claim 1, wherein the slide is surrounded by a helical spring which is supported at the cylindrical housing at one side and at the slide at its other side.

7. Solenoid valve according to claim 5, wherein the slide is provided with an adjusting element at its end facing the electromagnet.
- 5 8. Solenoid valve according to claim 1, wherein relative to the first sealing seat on the side turned away from the first sealing body a second sealing seat is provided for a second sealing body which is lifted from the first sealing body out of the second sealing seat by means of a bolt, if the first sealing body is located in its first sealing seat.
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